Aug. 26, 1958 H. MEYER 2,849,177

WASTEBASKET

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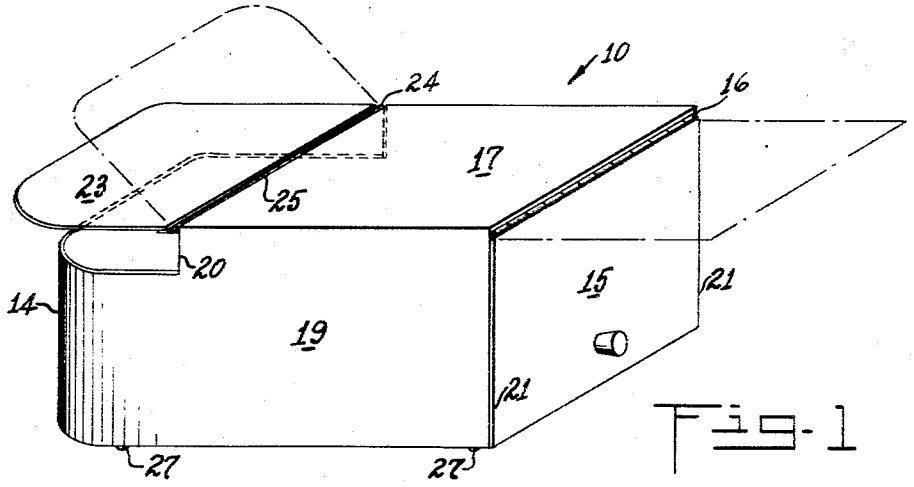


Fig. 1

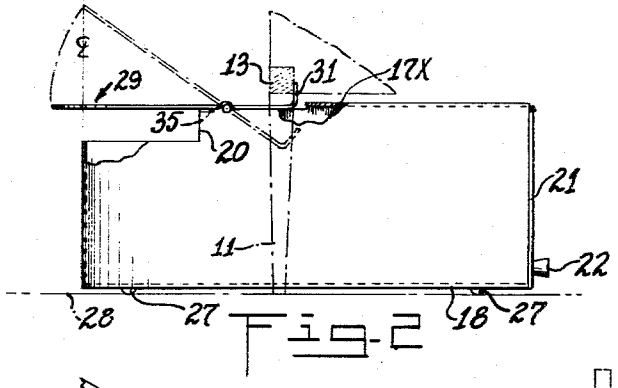


Fig. 2

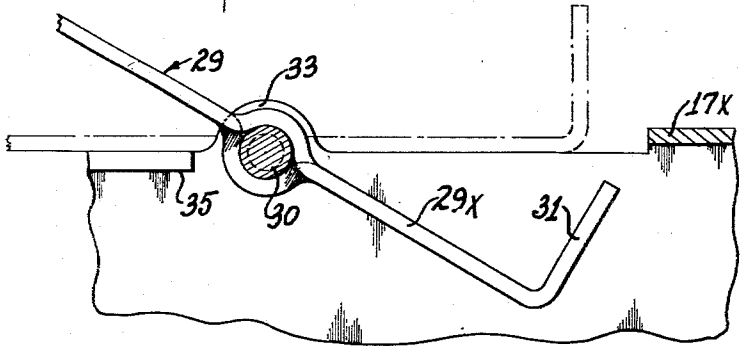


Fig. 3

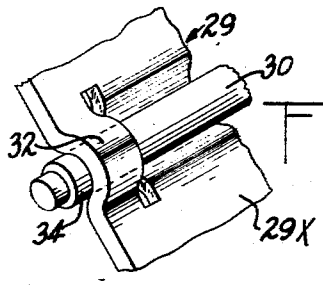


Fig. 4

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WASTEBASKET

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1 Claim. (Cl. 232—43.1)

This invention relates to a wastebasket and more particularly to a wastebasket adapted to fit between adjacent legs of a desk.

It is an object of this invention to provide a wastebasket adapted to fit between the adjacent legs of a conventional desk having a pair of legs to each side of the desk knee-hole.

It is a further objective of this invention to remove wastebaskets from the aisles where they take up valuable space and are an encumbrance to walking in the aisle.

It is a further object to provide a wastebasket adapted to prevent loss of accidentally dropped papers.

These and other objects will become apparent upon reading the following descriptive disclosure taken in conjunction with the accompanying drawing in which;

Fig. 1 is a perspective view of one modification of the wastebasket showing in dotted outline the raised position of the front and the rear door,

Fig. 2 is a side view broken away in part, of a modified wastebasket having a front door having a rear upright lip for engaging a transverse desk bar to prevent undue movement of the basket from under the desk,

Fig. 3 is an enlarged detail view of the front door axis of the modification of Fig. 2 and

Fig. 4 is a detail view of the manner of journaling the front door axis to the front door.

The wastebasket of this invention is essentially a box **10** having a somewhat rectangular shape and of a size to suitably fit underneath a desk between a pair of adjacent desk legs **11**, shown in dotted outline in Fig. 2, having a cross bar **13** between said desk legs **12**.

The wastebasket **10** may be made of sheet metal, wood, plastic, etc. and preferably is provided with a semicircular front wall or a front wall **14** having rounded corners.

As shown in Figs. 1 and 2 the substantially rectangular wastebasket **10** is provided with a rear rectangular clean-out door **15** secured by a conventional piano hinge **16** to top wall **17**. The top wall **17** and bottom wall **18** (Fig. 2) are secured by welding or adhesive to the integral wrap-around vertical wall **19** of which the front wall **14** is an integral portion.

A feature of this invention is that the wrap-around wall **19** is provided with a suitable cut-out area so that the front wall **14** and a part of the side wall adjacent each front wall corner is of lesser height by the length of edge **20** than is the height of the wastebasket **10** as shown by the height **21** of the rear door **15**.

The piano hinge **16** is preferably a conventional spring-loaded hinge so that rear door **15** is kept automatically closed by a spring action. However, spring **16** may be a conventional piano hinge held in closed position against bottom wall **18** by friction. To facilitate emptying of the wastebasket a conventional finger grasp **22** is provided.

It is thus seen that top wall **17** is of lesser area than bottom wall **18**.

A front door **23** is provided with a conventional piano hinge **24** secured to its rear edge and to the front edge **25**

of top wall **17**. The door **23** is provided with the curvatured configuration of front wall **14** but as shown in Fig. 2 extends beyond the front wall **14** when in horizontal position. Thus an accidentally dropped paper could not fall in the wastebasket **10**. In fact even with the door disposed at an inclined angle the front edge of the door **23** does not extend rearwardly behind the front wall **14** (Fig. 2 dotted door). Thus in use the wastebasket is pulled forward a suitable distance from underneath the desk so that the basket protrudes in front of the desk at least the distance of door **23**. The hinge **24** is preferably not spring loaded so that the door **23** raised to a suitable angle remains at this angle due to friction. The door **23** is not depressable below the horizontal level (Fig. 1) due to the arresting effect of the conventional piano hinge used.

The wastebasket is preferably provided with buttons **27** to effect easy sliding on the floor **28**.

In emptying the wastebasket of Fig. 1, the door **23** is grasped in one hand and the wastebasket is pulled out from underneath the desk whereupon the rear door **15** is opened and the contents slide out due to gravity.

A modified form of the wastebasket is shown in Figs. 2 to 4. In this modification the front door **29** is provided with an axle **30** so that the front door consists essentially of the door **23** and a rear integral plate piece **29X**. Plate piece **29X** is provided at its rear edge with an upright wall **31** of a height suitable to engage desk transverse bar **13** when the door **29** is in horizontal position (Fig. 2).

Clearly the wastebasket of the modification of Fig. 2 has a shortened top wall **17X** in front of which upright wall **31** may be disposed.

A preferred method of journaling axle **30** to front door **29** is shown in Figs. 3 and 4. In this modification the integral door **29** is provided with a suitable center trough to receive axle **30** and a pair of opposed suitable curvatured edge channels **32** for engaging axle **30** adjacent its ends.

The wrap-around wall of the modification shown in Fig. 2 is provided with a pair of opposed suitably apertured upright lugs **33** to receive frictionally the protruding axle ends **34**.

Thus the axle **30** is frictionally fitted as by pushing into the apertures of lugs **33**.

The door **29** in use may be horizontally disposed with upright **31** engaging bar **13** so that the wastebasket can not be easily kicked or moved as by pulling from under the desk. Also the door **29** may be raised to an elevated position (Fig. 3) when in use, if so desired.

The cleaning out of this modification is done similarly to the manner recited above for cleaning out the modification of Fig. 1.

This invention has been described by means of two modifications but clearly other obvious modifications fall within the scope of the inventive concept.

The wastebasket provided is therefore substantially free from exposed sharp edges, easily emptied, mobile, safe in use as it prevents loss of valuable papers, and is of large capacity.

It may be made of aluminum sheet and may be provided with wheels. Optionally the wastebasket may be placed in a desk drawer or on top of the desk if desired.

The front gate **29** is limited in its forward movement to a horizontal position by stop block **35** secured to the inside surface of wrap-wall **19** by adhesive or other conventional means.

I claim:

A substantially rectangular wastebasket adapted for use between the legs of an office desk consisting essentially of an integral substantially U-shaped vertical wall having a rounded front vertical wall segment integral with two opposed planar vertical wall segments, said front

wall segment and a portion of the side wall segments adjacent thereto being of lesser vertical height than the remainder of the opposed side walls forming a cut-out portion; a horizontal top wall disposed in space relationship behind said cut-out portion and fixedly secured to the top edges of said opposed side walls, said side walls having opposed axle receiving apertures between said cut-out portion and said top wall; a rear flat wall hingedly secured throughout its length to the rear edge of said top wall and adapted to close the opening of said U-shaped wall; a flat bottom wall secured to the entire bottom periphery of said U-shaped wall; an axle disposed in said opposed apertures of said side walls; and a swingable door secured to said axle intermediate the front edge and the rear edge of said door, said door

consisting of a flat section receiving said axle integral with a rear vertically disposed section adapted to engage said desk when said door is in a closed horizontal position, whereby said vertical door section is adapted to engage said desk thereby preventing removal of said closed door wastebasket from beneath said desk.

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